

Claims

1. A novel float for easy positioning, identifying fish catch and lighting comprises

5 A base is in the round shape to house the inductive device. There is a central hollow post to be encircled with the inductive coil. The extended end of the central post forms a connecting rod to be locked up with the lock bolt.

10 A top lid is a round casing made of the transparent material. The lights emitted from the central Led and the surrounding LEDs on the lighting device are visible from outside.

15 A lock bolt is a short cylinder with inner thread to be locked on the connecting rod.

A water proofing washer sits between the top lid and the base for water proofing purpose.

20 A battery compartment housed in space between the base and the top lid provides the power to the lighting device and inductive device.

A lighting device mounted on the top of the battery compartment to provide the fish catch signal and lighting.

25 An inductive device mounted under the battery compartment provides the induced signal of fish catch.

In quick response to the fish biting, the inductive shaft falls off the

inductive coil and activates the central LED of the lighting device, there appear two lights (the blue lights plus the red light), a sign showing the fishing man that the fish is biting the bait on the fish hook. It also serves the lighting. Both during the day time and night time fishing it indicates the accurate float position and fish catch signal, right time for the fishing man to lift the fishing tackle.

2. The novel float for easy positioning, identifying fish catch and lighting of this invention as claimed in the Claim 1 in which the base is designed with the flat bottom which keeps it always floating at a fixed place away from the sea shore.

3. The novel float for easy positioning, identifying fish catch and lighting of this invention as claimed in the Claim 1 in which the lighting device contains the lighting circuit board, a plurality of LEDs and pedestal. The LEDs are linked on the lighting circuit board and the LEDs extend out of the holes on the pedestal making the lights visible outside of the top lid. The pedestal holds the lighting circuit board.

4. The novel float for easy positioning, identifying fish catch and lighting of this invention as claimed in the Claims 1 in which the LED are in two colors, the central LED emits the red light representing the fish is biting the bait. The blue lights indicate no fish biting but serve the lighting.

5. The novel float for easy positioning, identifying fish catch and lighting of this invention as claimed in the Claims 3 in which the LED are in two colors, the central LED emits the red light representing the fish is biting the bait. The blue lights indicate no fish biting but serve the lighting.

6. The novel float for easy positioning, identifying fish catch and lighting of

this invention as claimed in the Claim 1 in which the inductive device comprises the inductive circuit board, the inductive coil, the inductive shaft and the spring. The inductive device is housed in the empty compartment of the base and the inductive coil encircles the central post.

5 The inductive shaft and the spring are mounted in the connecting rod with end of the inductive shaft extended out of the lock bolt. The lower end of the inductive shaft connects to the cord and hook.

7. The novel float for easy positioning, identifying fish catch and lighting of
10 this invention as claimed in the Claim 6 in which the size of the spring depends on the weight of the fish to be caught.

8. The novel float for easy positioning, identifying fish catch and lighting of
15 this invention as claimed in the Claim 1 in which the connecting rod shall have outer threads to receive the lock bolt.